

GUAM DEPARTMENT OF AGRICULTURE

Citizen-Centric Report | FY 2021

October 2020 - September 2021



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ABOUT US

The Guam Department of Agriculture was established under Public Law 3-103, effective August 1, 1956.

MISSION

To protect and promote the agricultural resources and economy of the Territory of Guam by research, quarantine, control and conservation.

VISION

The Department's role of developing and protecting the island's agriculture, natural resources, and aquatic and wildlife resources is accomplished through the functions of various divisions.

STRATEGIC GOALS

To restore and maintain balance to our ecosystem, working closely with our local and federal stakeholders on natural resource stewardship and agricultural development

To develop and protect the island's agriculture, natural resources and aquatic and wildlife resources

To monitor, manage and recover Guam's natural resources.

To increase and improve our level of services to farmers and landowners by providing cohesive implementation of programs

To coordinate an efficient network of programs and market services; and to encourage people to protect, nurture and conserve our natural resources through the functions of our various divisions



Chelsa Muña-Brecht
Director



For more information, visit our website at <https://doag.guam.gov/>

DOAG Employees



Contact Us

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Mangilao, Guam 96913

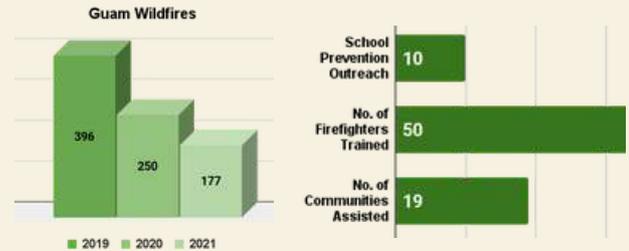
FORESTRY AND SOIL RESOURCES

"TO CONSERVE, PROTECT AND ENHANCE GUAM'S VEGETATIVE ENVIRONMENT AND SUSTAIN THE NATURAL RESOURCES, WHICH ARE DEPENDENT ON HEALTHY FORESTS."



Through efforts of Guam Forestry and the Guam Fire Department, there were less fires in 2021 with a total of 177 wildfires that burned approximately 3,624 acres of land (2.67% of total area). Furthermore, in this fiscal year, the Guam Forestry nursery propagated 12,000 acacia trees and 4,500 assorted native trees to support the Forest Stewardship program objectives. Also in assistance with the stewardship plan, 550 assorted native trees were planted on a 4-acre footprint within the COTAL Conservation Reserve.

Level of Accomplishment FY 2021	
Native Tree Planting	15 acres
Nursery seedling production	20,000 seedlings
No. of villages trees planting projects	20
No. of tree planting volunteer hours	2,500



BIOSECURITY

"TO ASSIST STAKEHOLDERS INTERESTED IN IMPORTS AND EXPORTS OF FOOD AND AGRICULTURE ITEMS, TO ASSIST IN FOOD SECURITY AND SAFETY CONCERNS, AND TO COORDINATE THE GOVERNMENT OF GUAM'S RESPONSES TO NEW INVASIVE THREATS."



The Biosecurity Division serves as the Department of Agriculture's center for Biosecurity and Agricultural Quarantine at the Plant Inspection Facility. The Plant Inspection Section operates a federally certified plant inspection station for Guam and others in the region. The Plant Inspection Facility inspects live plants with pest identification determinations performed

Number of plants imported and inspected for FY2021: 94,700

and shipment dispositions ordered, to protect Guam from invasive pests and diseases. As of FY 2021, there was a total of 94,700 plants that were imported and inspected by the Biosecurity Division.

AQUATIC AND WILDLIFE RESOURCES

"WORKING THROUGH PARTNERSHIPS TO CONSERVE AND MANAGE FISH AND WILDLIFE AND THEIR HABITATS FOR THE USE AND ENJOYMENT OF CURRENT AND FUTURE GENERATIONS."



The Division of Aquatic and Wildlife Resources (DAWR) monitors, manages and protects fish, coral reefs, and wildlife resources for enjoyment by the people of Guam. Fisheries conduct fishing effort surveys, maintain recreational fishing ramps, conduct research on fish species and their habitats, and provide educational opportunities and outreach. The Wildlife Section produces ko'ko' and sihek for reintroduction into predator-reduced areas, conducts bird and bat surveys, public awareness campaigns, hunter safety classes, and hunting derbies.

DIRECTOR'S OFFICE

"OVERSEES AND PROVIDES MANAGEMENT FOR THE DEPARTMENT'S DIVISIONS IN ACCOMPLISHING PROGRAM OBJECTIVES."

Level of Accomplishment FY 2021	
Fowl Permits	800

What would you like to see reported on in this page? Please let us know by contacting Chelsa Muña-Brecht at (671) 300-7965/66.



CONSUMER, MARKETING & FARMS

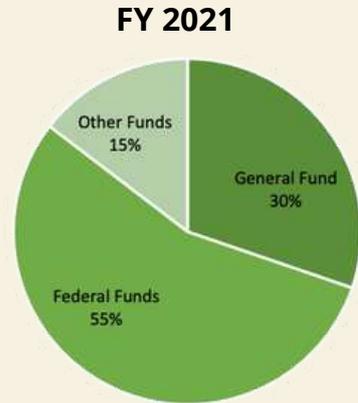
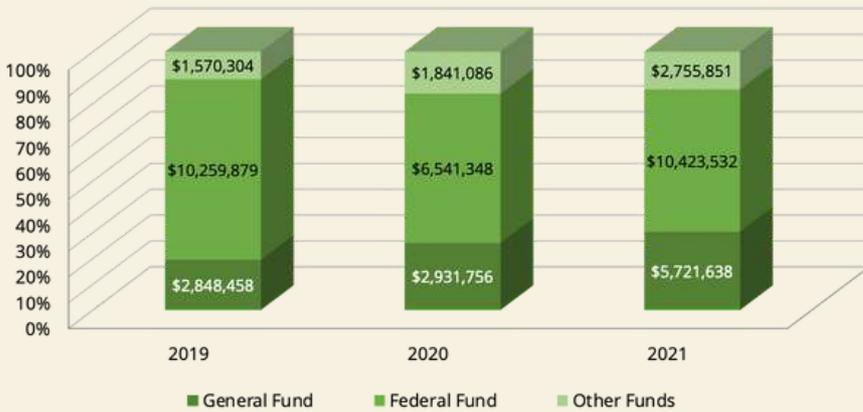
"PROVIDE FOR THE FURTHER DEVELOPMENT OF THE AGRICULTURAL INDUSTRY IN ADOPTING ORGANIC AND CONSERVATION PRACTICES IN THE PROTECTION OF LAND, WATER RESOURCES SAFEGUARDING HUMAN HEALTH AND THE ENVIRONMENT."

Level of Accomplishment FY 2021	
Water rate inspections & farmers certifications	800
Conduct farmer meetings	4
Crop production surveys	4
Vegetable & fruit tree seedling; tree saplings	40,000

WHERE OUR SOURCES CAME FROM

FUNDS	2019	2020	2021	% CHANGE
General Fund	\$2,848,458	\$2,931,756	\$5,721,638	95%
Federal Funds	10,259,879	6,541,348	10,423,532	59%
Other Funds	1,570,304	1,841,086	2,755,851	50%
TOTAL	\$14,678,641	\$11,314,190	\$18,901,021	67%

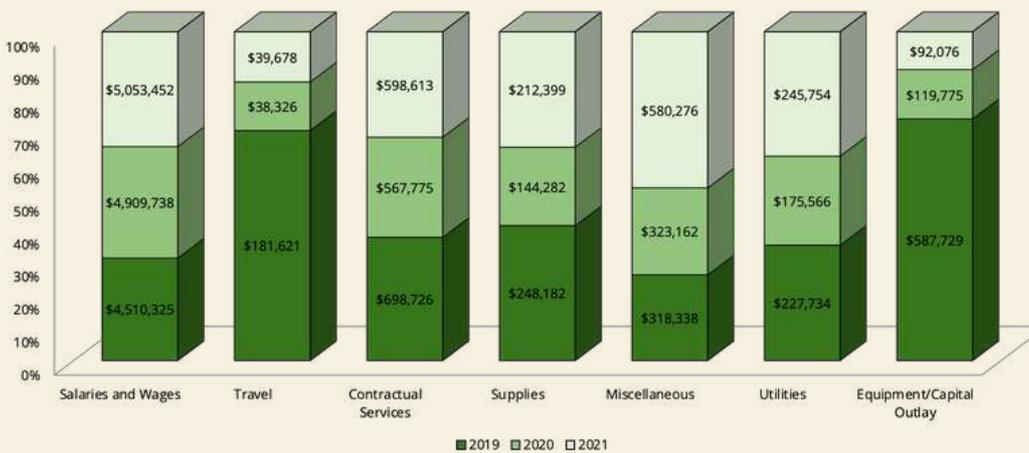
All sources received during the fiscal year 2021 were significantly higher than in previous years. In 2021, the total funds increased by 67% compared to 2020.



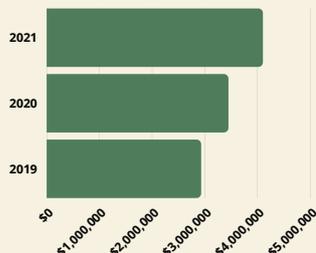
HOW OUR SOURCES WERE USED

EXPENDITURES	FY2019	FY2020	FY2021	% CHANGE
Salaries and Wages	\$4,510,325	\$4,909,738	\$5,053,452	3%
Travel	181,621	38,326	39,678	4%
Contractual Services	698,726	567,775	598,613	5%
Supplies	248,182	144,282	212,399	47%
Miscellaneous	318,338	323,162	580,276	80%
Utilities	227,734	175,566	245,754	40%
Equipment/Capital Outlay	587,729	119,775	92,076	-23%
TOTAL	\$6,772,655	\$6,278,625	\$6,822,248	9%

The total amount expended in the fiscal year 2021 was \$6.8M. This is an increase of 9% compared to 2020, mainly from supplies using federal funds, and miscellaneous and utilities using other funds.



Approved Funding to Combat Brown Tree Snakes (BTS)



Personnel Cost



CHALLENGES



Traditional brown treesnake control tools are lure-based and are not working with so many birds and lizards present. Only visual searching and hand-removal of snakes are working to control the population. DAWR is partnering with the Office of Insular Affairs, US Fish & Wildlife Service, USDA APHIS Wildlife Services, and community partners to eradicate snakes from Dano'.

Brown Treesnakes on Islan Dano'



Guam lies within the typhoon belt which leads to an average of three tropical storms and one typhoon each year. Natural events and disasters can cause contaminated bodies of water, loss of harvest or livestock, destruction of irrigation systems, and damages in other agricultural infrastructure.

Climate on Guam



Because of wildfires and the degraded landscape of Guam, the water quality and water supplies are at risk of deteriorating. Movement of sediment from erosion into waterways is a problem associated with poor land cover which reduces the quality of surface water, domestic water supplies, and fragile reef systems.

Water Quality & Water Supply

MOVING FORWARD

Phase One: Development of an Island-wide HCP

The Habitat Conservation Plan (HCP) involves input from stakeholders in local and federal government agencies, and community groups working together. "The creation of an Island-Wide HCP will enable us to protect habitats for endangered and threatened species while providing a course of action for responsible development," said Chelsa Muna-Brecht, Director of DOAG.



Field-to-Fork Event

The Field-to-Fork event is to promote safe, responsible, and ethical hunter development and to help facilitate the 3Rs: Recruit new hunters, Retain current hunters, and Reactivate former hunters. The event also encourages community contributions to Guam's food security and active participation in reducing the damage caused by deer and pigs to Guam's island ecosystem.



Spay and Neuter Island Pets (SNIP)

SNIP's goal is to create a sustainable impact on the animal population of Guam, decrease animal suffering, and increase community education that addresses the issue of Guam's stray animal population. The program is hoping to open the clinic to the public for non-GAIN adopted pets around mid 2022.



We want to hear from you. Do you like this report? Do you believe it should include any other information? Please let us know by contacting (671) 300-7965/66.



Kayleen Concepcion <kconcepcion@guamopa.com>

Fwd: transmission of Dept of Agriculture's CCR

Benjamin Cruz <bjcruz@guamopa.com>

Fri, Sep 16, 2022 at 2:55 PM

To: Vincent Duenas <vduenas@guamopa.com>, Jerrick Hernandez <jhernandez@guamopa.com>, Thyrza Bagana <tbagana@guamopa.com>, Thomas Eladio Battung <tbattung@guamopa.com>, Johanna Pangelinan <jpangelinan@guamopa.com>, Kayleen Concepcion <kconcepcion@guamopa.com>, Mariella Cruz <mcruz@guamopa.com>, Ren Jalandoni <rjalandoni@guamopa.com>, Kyle Bungubung <kbungubung@guamopa.com>, Thomas Quichocho <tquichocho@guamopa.com>, Frederick Jones <fjones@guamopa.com>

----- Forwarded message -----

From: **Chelsa Muna-Brecht** <Chelsa.MunaBrecht@doag.guam.gov>

Date: Fri, Sep 16, 2022 at 1:54 PM

Subject: transmission of Dept of Agriculture's CCR

To: speaker@guamlegislature.org <speaker@guamlegislature.org>, bjcruz@guamopa.com <bjcruz@guamopa.com>

Cc: John C. Borja <John.Borja@doag.guam.gov>, Christine Fejeran <Christine.Fejeran@doag.guam.gov>, Mariana Turner <Mariana.Turner@doag.guam.gov>, Richard Ragadio <Richard.Ragadio@doag.guam.gov>, Jay T. Gutierrez <Jay.Gutierrez@doag.guam.gov>, Jason S. Biggs <Jason.Biggs@doag.guam.gov>, Christopher A. Rosario <Christopher.Rosario@doag.guam.gov>, antonia santos <antonia_santos75@yahoo.com>

Hafa Adai Speaker Terlaje and Mr. Cruz,

In compliance with Title 1 Guam Code Annotated (GCA) Chapter 19 §1922(a), Guam Department of Agriculture's Citizen-Centric Report for FY2021 is attached herein. Please contact me if you have questions or concerns.

Saina Ma'åse',

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Benjamin J. F. Cruz

Public Auditor

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